

## WHAT IS CLAIMED IS:

1. An information processing method for processing a file containing reversibly compressed or non-compressed digital image data obtained by digitally  
5 converting a signal that has been output from an image sensing device, said method including process of:

converting the digital image data contained in the file to data having a prescribed format by selectively executing a signal processing of a  
10 plurality of types by using any of at least a plurality of types of luminance signal generating processing methods and/or a plurality of types of color signal generating processing methods;

selecting automatically signal processing to be  
15 used from among the plurality of types of signal processing based upon information contained in the file; and

causing said conversion to be executed using the signal processing selected in the selecting process so  
20 that the digital image data contained in the file is converted to data having the prescribed format.

2. The method according to claim 1, wherein the selecting process includes selecting process for emphasizing high frequency of a luminance signal in  
25 the luminance signal generating process.

3. The method according to claim 1, further decompressing a plurality of types for decompressing

the digital image data described in the file;

wherein in the selecting process, decompression processing, which is used in said decompressing, is selected based upon information contained in the file.

5 4. The method according to claim 1, wherein the signal processing is executed in the converting process using an image processing parameter set by a user.

5. The method according to claim 1, wherein, in the  
10 selecting process, the signal processing to be used is selected, based upon at least any of product information specifying an apparatus that is the source of generation of the file, color-filter information specifying a color filter used by an image sensing  
15 device in the apparatus that is the source of generation of the file, and an extension of the file.

6. The method according to claim 1, wherein signal processing of the plurality of types in the converting process includes first process for generating a  
20 luminance signal using color signals of all colors included in the digital image data, and second processing for generating a luminance signal using a color signal of a specific color included in the digital image data; and

25 in the selecting process, either the first processing or the second processing is selected.

7. The method according to claim 1, wherein signal

processing of the plurality of types in the converting process includes high-frequency emphasis processing for causing a high-frequency emphasis signal to act upon a luminance signal that has been obtained by conversion from the digital image data, said high-frequency emphasis signal being obtained by either first processing for generating a high-frequency emphasis signal using color signals of all colors included in the digital image data, or second processing for generating a high-frequency emphasis signal using a color signal of a specific color included in the digital image data; and

in the selecting process, either the first processing or the second processing is selected.

8. An information processing method for processing a file containing reversibly compressed or non-compressed digital image data obtained by digitally converting a signal that has been output from an image sensing device, and converting the data to data having a prescribed format, the method including process of:

executing signal processing upon changing over a plurality of types of luminance signal generating processing methods and/or a plurality of types of color signal generating processing methods prepared in advance; and

converting the digital image data contained in the file to data having the prescribed format by

changing over signal process, which is used in the  
executing process, based upon an extension of a file  
to be processed.

9. The method according to claim 8, further changing  
5 over a compressed-file decompression processing  
method in accordance with the extension.

10. The method according to claim 8, wherein use is  
made of a table for changing over the signal  
processing in accordance with the extension.

10 11. The method according to claim 8, wherein the  
signal processing is changed over in accordance with  
the extension and the signal processing is changed  
over upon referring to tag information that has been  
correlated with the digital image data.

15 12. The method according to claim 8, wherein the  
signal processing is executed at converting process  
using an image processing parameter set by a user.

13. An information processing apparatus for  
processing a file containing reversibly compressed or  
20 non-compressed digital image data obtained by  
digitally converting a signal that has been output  
from an image sensing device, said apparatus  
comprising:

a conversion part which converts reversibly  
25 compressed or non-compressed digital image data  
contained in the file, which is obtained by digitally  
converting a signal that has been output from the

image sensing device, to data having a prescribed format, by selectively executing signal processing of a plurality of types by using any of at least a plurality of types of luminance signal generating processing methods and/or a plurality of types of color signal generating processing methods;

5 a selection part which selects conversion processing to be used from among the plurality of types of signal processing based upon information contained in the file; and

10 an execution part which actuates said conversion part using the conversion processing selected by said selection part so that the digital image data contained in the file is converted to data having the prescribed format.

14. The apparatus according to claim 13, wherein the signal processing is changed over in accordance with the extension and the conversion processing is changed over upon referring to tag information that has been correlated with the digital image data.

15. The apparatus according to claim 13, wherein said conversion part executes signal processing using an image processing parameter set by a user.

16. An information processing apparatus for processing a file containing reversibly compressed or non-compressed digital image data obtained by digitally converting a signal that has been output

from an image sensing device, and converting the data to data having a prescribed format, comprising:

a processing part which executes signal processing upon changing over a plurality of types of luminance signal generating processing methods and/or a plurality of types of color signal generating processing methods prepared in advance; and

a conversion part which changes over signal processing, which is used by said processing part, based upon an extension of a file to be processed, and converting the digital image data contained in the file to data having the prescribed format.

17. A storage medium storing a control program for implementing, by computer, the information processing method set forth in claim 1.

18. A control program for implementing, by computer, the information processing method set forth in claim 1.